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1939

**Itinerary**  
**Annual Inspection Trip**  
**of the**  
**College of Engineering**  
**University of Illinois**



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FEB 24 1943  
UNIVERSITY OF ILLINOIS  
**Urbana, Illinois**

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# CURRICULA OF THE COLLEGE OF ENGINEERING

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The curricula offered by the College of Engineering at the University of Illinois includes the following:

- Agricultural Engineering
    - Options: Construction & Drainage;  
Machinery & Power
  - Ceramics
  - Ceramic Engineering
    - Option in Administration
  - Civil Engineering
    - Options: General; Highway; Hydraulic;  
Sanitary; Structural; City Planning
  - Electrical Engineering
  - Engineering Physics
  - General Engineering
  - Mechanical Engineering
    - Option in Petroleum
  - Metallurgical Engineering
  - Mining Engineering
    - Options: Coal; Ore; Mining Geology;  
Administration
  - Railway Engineering
    - Options: Civil; Electrical; Mechanical
- 

Graduate work leading to a Master's degree is offered in a wide variety of engineering subjects. Doctor's degrees may be earned in the major fields.

# ANNUAL INSPECTION TRIP COLLEGE OF ENGINEERING UNIVERSITY OF ILLINOIS

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## GENERAL DIRECTIONS

### Be Prompt

ALL MEMBERS of the party are required to report promptly at the appointed time and place. Instructors will call the roll at each place visited and any student absent from roll call will not be permitted to join the party until time for the next event on the itinerary. Absence from roll call is sufficient justification for the dismissal of the student from the party, and for reporting him to the proper authorities at the University.

Hotel arrangements for the party will be made in advance. Students may be permitted to make other arrangements for lodging when such request seems reasonable to the instructor in charge. Necessary permits should be obtained prior to Monday, October 16.

### Be Courteous

Permission to visit the several places listed in the itinerary is a courtesy extended to the University which involves some expense and trouble to the management of these companies. Members of the party should be appreciative of this fact and conduct themselves properly as representatives of the University. It is particularly desirable that everyone refrain from smoking within the

confines of the plants visited and that all fully observe posted regulations.

Any student who fails to conduct himself properly during an inspection trip will be reported to the University Committee on Discipline.

Since the University can have no proper control over others than those in regular attendance during these trips, friends of students will not be allowed to accompany the party except by permission previously obtained from the instructor in charge. This privilege will be extended only in rare instances and when the reasons for the request seem fully sufficient.

### **Be Careful**

While members of the faculty who are in immediate charge of these trips will make every effort to provide for the comfort and safety of the students in the party, there is, of course, some slight element of personal danger on railway trains, street cars, and in plants visited. Neither the owners of the plants visited, the University, nor members of the faculty can assume any responsibility for accidents which may occur to students during the trip. Proper care and deportment at all times will greatly reduce the possibility of accidents.

### **Be Observing**

Inspection trips are required because it is believed that the educational advantages resulting from the inspection of large industrial enterprises fully justify the time and expense involved. To realize this ideal, however, students must use

every endeavor to secure a correct impression of the places visited, an appreciation of the general nature of the plant inspected and of its product, rather than of minor details.

Each student will be required to submit an acceptable report of the trip to the head of his department or to pass an examination to determine the extent and accuracy of the information secured, at a date to be fixed by the department concerned.

### **Railroad and Hotel Service**

The Illinois Central Railroad has authorized a special round trip rate of \$2.55 between Champaign and Chicago with certain conditions. Each student making the trip must purchase a ticket sometime between Saturday morning, October 21, and Tuesday noon, October 24. As this rate is good only when there are 150 or more on the same train, students desiring this rate should take the train at 6:05 p. m. Tuesday, October 24. It will be necessary to pay a higher rate on any other train. The return coupons will be good on any train except special fare trains leaving Chicago Friday evening, October 27, Saturday, October 28, or Sunday, October 29.

The procedure for the trip from Chicago to Milwaukee will be as follows: Tickets must be purchased at the Chicago, North Shore and Milwaukee Railroad Terminal, 223 S. Wabash Ave. before boarding the train.

The Chicago headquarters during the trip will be the Hotel Chicagoan located at 67 West

Madison Street. The rates at this hotel will be as follows:

<i>No. in Room</i>	<i>No. of Beds</i>	<i>Bath</i>	<i>Daily Rate per Occupant</i>
1	1	with	\$2.00
2	1	with	1.25
4		with	1.00

### **Student Automobiles**

The University regulations require that a student or instructor driving a car on an inspection trip must have a special permit from the University and that any students riding with him must have the authorization of their parents to do so, and also have travel accident insurance.

### **Absence From Class**

Rule 23 of the regulations for undergraduate students applies for all absences from class just before or just after an inspection trip.

### **"Get-Together Dinner"**

The "Get-Together Dinner" to be held at 6:00 p.m., Wednesday, October 25 in the Medinah Club, 505 North Michigan Ave., Chicago, is to allow some of the alumni to become acquainted with the present senior class. The greetings of the alumni will be given by a few prominent engineers. The price will be \$1.03. Tickets are to be purchased at the Associate Dean's Office, 300 Engineering Hall in advance of the trip. Attendance is required of all who are in Chicago.



## AGRICULTURAL ENGINEERING

### Tuesday—October 24

- 6:05 p. m. Leave Champaign on Illinois Central Railroad for Chicago.
- 9:30 p. m. Arrive at Chicago and proceed to the Hotel Chicagoan, 67 West Madison Street.

### Wednesday—October 25

- 7:15 a. m. Leave Madison and Wells Station of Chicago Rapid Transit Company on Douglas Park Branch (inner loop, south bound). Leave train at Cicero Avenue Station for Cicero Avenue gate of the Hawthorne Works of the Western Electric Company.
- 8:30 a. m. Enter gate No. 1 (Cicero Avenue near 24th Street) of Western Electric Company.
- Lunch at plant restaurant at invitation of Western Electric Company.
- 12:15 p. m. Assemble at gate No. 1 of the Western Electric Company and take special bus for Wisconsin Steel Company.
- 1:15 p. m. Visit Wisconsin Steel Works.
- 4:00 p. m. Leave Wisconsin Steel Works by bus for Hotel Chicagoan.
- 6:00 p. m. Get-Together Dinner at the Medinah Club, 505 North Michigan Avenue. Attendance required.

### Thursday—October 26

- 7:15 a. m. Assemble in lobby of Hotel Chicagoan, Chicago.

- 7:30 a. m. Leave by special bus for Gary, Indiana.
- 9:00 a. m. Visit the Gary Plant of the American Bridge Company.
- 11:15 a. m. Leave American Bridge Company by bus for Gary. Lunch at Gary Y.M.C.A.
- 12:15 p. m. Leave Gary Y.M.C.A. by bus for Universal Atlas Cement Mill at Buffington, Indiana.
- 1:00 p. m. Visit the Universal Atlas Cement Mill.
- 2:30 p. m. Leave the Cement Mill for new viaduct over Rock Island Railroad at 127th Street and Blue Island.
- 3:30 p. m. Visit Viaduct.
- 4:30 p. m. Return to Hotel Chicagoan.

### **Friday—October 27**

- 6:00 a. m. Leave Chicago, via Chicago, North Shore and Milwaukee Railroad, 223 South Wabash Avenue, for Milwaukee.
- 8:00 a. m. Arrive in Milwaukee and board cars for Allis-Chalmers Company.
- 8:30 a. m. Visit plant of Allis-Chalmers Company.
- 12:30 p. m. Lunch at Allis-Chalmers Club House at invitation of Allis-Chalmers Company.
- 1:30 p. m. Visit Kearney Trecker Company, West Allis.
- 4:30 p. m. Return to Chicago, North Shore and Milwaukee Station.
- 5:30 p. m. Leave Milwaukee for Chicago.
- 7:30 p. m. Arrive in Chicago and proceed to Hotel Chicagoan.

## Saturday—October 28

- 8:15 a. m. Assemble in lobby of Hotel Chicagoan.
- 8:30 a. m. Leave by special bus for Crawford Generating Station of the Commonwealth Edison Company.
- 9:00 a. m. Visit Crawford Generating Station.
- 11:00 a. m. Leave station for Hotel Chicagoan.
- 11:30 a. m. Disband.

## CERAMIC ENGINEERING

### Tuesday—October 24

- 4:00 p. m. Assemble at Ceramics Building.  
Leave by busses for Streator, Illinois, stopping at Plumb Hotel.

### Wednesday—October 25

- 8:00 a. m. Visit plant of Streator Brick Company.  
10:00 a. m. Visit plant of Streator Drain Tile Company.  
12:00 noon Lunch in Streator.  
2:00 p. m. Visit plant of Owens-Illinois Glass Company.

### Thursday—October 26

- 7:00 a. m. Leave hotel for Oglesby, Illinois.  
8:00 a. m. Visit plant of Marquette Cement Manufacturing Company.  
11:00 a. m. Leave for Ottawa, Illinois.  
1:30 p. m. Visit plant of Chicago Retort and Fire Brick Company.  
4:30 p. m. Leave for Chicago, Illinois. Go to Hotel Chicagoan, 67 West Madison Street.

### Friday—October 27

- 8:00 a. m. Visit plant of Harbison-Walker Refractories Company in East Chicago, Indiana.  
10:30 a. m. Leave for Harvey, Illinois. Lunch in Harvey, 156th Street and Commercial Avenue.

3:00 p. m. Leave for Cicero, Illinois. Visit plant of Chicago Vitreous Enamel Product Company, 1401-47 South 55th Court.

### **Saturday—October 28**

9:00 a. m. Visit Illinois Brick Company plants at Blue Island.

11:00 a. m. Leave for Hotel Chicagoan.

7:00 p. m. Leave Hotel Chicagoan for Champaign-Urbana.

## CIVIL ENGINEERING

### Tuesday—October 24

- 6:05 p. m. Leave Champaign on Illinois Central train for Chicago.
- 9:30 p. m. Arrive at Chicago and proceed to Hotel Chicagoan, 67 West Madison Street.

### Wednesday—October 25

- 8:30 a. m. Assemble at north side of Wacker Drive and State Street to inspect placing of subway tubes under the river on State Street.
- 9:00 a. m. Meet boat at southwest corner of Michigan Avenue bridge for trip to inspect locks at the mouth of the river and the movable bridges. (Boat by courtesy of Mr. L. D. Gayton, City Engineer, Chicago.)
- 12:00 noon Lunch in Loop.
- 12:45 p. m. Take special bus at southwest corner of Michigan Avenue and Wacker Drive for Wisconsin Steel Works.
- 1:30 p. m. Visit Wisconsin Steel Works.
- 4:15 p. m. Leave Steel Works for Hotel Chicagoan.
- 6:00 p. m. Get-Together Dinner at the Medinah Club, 505 North Michigan Avenue.

### Thursday—October 26

- 7:15 a. m. Assemble in Lobby of Hotel Chicagoan.
- 7:30 a. m. Leave by special bus from the hotel for Gary, Indiana.

- 9:00 a. m. Visit the Gary Plant of the American Bridge Company.
- 11:15 a. m. Bus to Gary. Lunch at Gary Y.M.C.A.
- 12:15 p. m. Leave Gary Y.M.C.A. by bus for Universal Atlas Cement Mill at Buffington, Indiana.
- 1:00 p. m. Visit the Universal Atlas Cement Mill.
- 2:30 p. m. Leave the Cement Mill for the new viaduct over the Rock Island Railroad at 127th Street and Blue Island.
- 3:30 p. m. Visit the viaduct.
- 4:30 p. m. Leave viaduct for Hotel Chicagoan and dismiss for the day.

### **Friday—October 27**

- 7:15 a. m. Assemble in lobby of Hotel Chicagoan.
- 7:30 a. m. Leave by special bus from the hotel for the South West Sewage Disposal Plant.
- 8:15 a. m. Visit South West Sewage Disposal Plant.
- 10:15 a. m. Leave South West Sewage Disposal Plant for McKeown Bros. Company, at 5235 South Keeler Avenue, manufacturers of timber structures.
- 10:30 a. m. Arrive at McKeown Bros. Company.
- 11:15 a. m. Leave McKeown Bros. and return to north end of Loop for lunch.
- 1:15 p. m. Assemble at north west corner of Wacker Drive and Wabash Avenue.

- 1:20 p. m. Proceed on foot as a group to the corner of Milwaukee Avenue and Throop Street to visit Chicago subway construction.
- 2:00 p. m. Visit Chicago subway, Section D-5 being built by M. Pontarelli and Sons, Contractors.
- 4:30 p. m. Return to hotel and dismiss for the day.

### Saturday—October 28

- 7:15 a. m. Assemble in lobby of Hotel Chicagoan.
- 7:30 a. m. Leave by special bus from the hotel.
- 8:00 a. m. Visit Paving Construction on West Addison Street between Cicero and Elston Avenues, Chicago.
- 8:30 a. m. Leave paving construction.
- 9:15 a. m. Visit Evanston Filter Plant.
- 10:30 a. m. Leave Filter Plant for Baháí Temple at Wilmette, Illinois.
- 10:45 a. m. Visit Baháí Temple.
- 11:45 a. m. Leave Temple for Evanston.
- 12:00 noon Arrive in Evanston and disband.



# ELECTRICAL ENGINEERING

## Tuesday—October 24

- 6:05 p. m. Leave Champaign on Illinois Central Railroad.
- 9:30 p. m. Arrive at Chicago and proceed to Hotel Chicagoan, 67 West Madison Street.

## Wednesday—October 25

- 7:30 a. m. Leave Madison and Wells Station of Chicago Rapid Transit Company on Douglas Park branch. Leave train at Cicero Avenue Station for Cicero Avenue gate of the Hawthorne Works of the Western Electric Company.
- 8:30 a. m. Enter gate No. 1 (Cicero Avenue near 24th Street) of Western Electric Company.
- 11:45 a. m. Leave Western Electric Company via Chicago Rapid Transit train. Leave train at Randolph and Wells Station and proceed to 18th floor of Bell Telephone Building, 311 West Washington Street.
- 12:30 p. m. Lunch in Bell Forum at invitation of the Illinois Bell Telephone Company.
- 1:30 p. m. Inspection of electrical communication equipment.
- 4:40 p. m. Leave Bell Telephone Building.
- 6:00 p. m. Get-Together Dinner at the Medinah Club, 505 North Michigan Avenue.

### Thursday—October 26

- 6:00 a. m. Leave via special train on Chicago, North Shore and Milwaukee Railroad, 223 South Wabash Avenue, for Milwaukee.
- 7:50 a. m. Arrive at Milwaukee.
- 8:00 a. m. Leave North Shore Station on special street cars for works of Allis-Chalmers Company.
- 8:30 a. m. Enter works of Allis-Chalmers Company. Lunch at Allis-Chalmers Club at invitation of Allis-Chalmers Company, following inspection.
- 1:40 p. m. Leave Allis-Chalmers Club on special street cars for Public Service Building.
- 2:30 p. m. Take special train at the Chicago, North Shore and Milwaukee Railroad Terminal, stopping to inspect substations enroute to Chicago.
- 7:00 p. m. Arrive at Hotel Chicagoan.

### Friday—October 27

- 8:15 a. m. Leave Hotel Chicagoan in special motor coaches for works of Stewart-Warner Corporation, 1826-52 Diversey Parkway.
- 8:45 a. m. Enter works of Stewart-Warner Corporation.
- 11:15 a. m. Leave in special motor coaches.
- 11:30 a. m. Lunch at Y.M.C.A. cafeteria.
- 12:15 p. m. Leave in special motor coaches, for General Electric X-Ray Corporation.

- 12:30 p. m. Enter plant of General Electric X-Ray Corporation.
- 3:00 p. m. Leave in special motor coaches for Crawford Generating Station of the Commonwealth Edison Company.
- 3:30 p. m. Enter station for inspection.
- 5:30 p. m. Leave Crawford station, in special motor coaches, for Hotel Chicagoan.

### **Saturday—October 28**

- 8:00 a. m. Leave Randolph Street Station of Illinois Central Railroad Company, on South Chicago train, for South Works of the Carnegie-Illinois Steel Corporation.
- 9:00 a. m. Enter works of Carnegie-Illinois Steel Corporation, 3426 East 89th Street.
- 11:00 a. m. Leave on Illinois Central train for Hotel Chicagoan and disband.
- Optional trips may also be taken to Chicago Airport and to the Rosenwald Industrial Museum.

## GENERAL ENGINEERING

### Tuesday—October 24

- 6:05 p. m. Leave Champaign on Illinois Central Railroad for Chicago.
- 9:30 p. m. Arrive at Chicago and proceed to the Hotel Chicagoan, 67 West Madison Street.

### Wednesday—October 25

- 7:15 a. m. Leave Madison and Wells Station of Chicago Rapid Transit Company on Douglas Park Branch (inner loop, south bound). Leave train at Cicero Avenue Station for Cicero Avenue gate of the Hawthorne Works of the Western Electric Company.
- 8:30 a. m. Enter gate No. 1 (Cicero Avenue near 24th Street) of Western Electric Company.
- Lunch at plant restaurant at invitation of Western Electric Company.
- 12:15 p. m. Assemble at gate No. 1 of the Western Electric Company and take special bus for Wisconsin Steel Company.
- 1:15 p. m. Visit Wisconsin Steel Works.
- 4:00 p. m. Leave Wisconsin Steel Works by bus for Hotel Chicagoan.
- 6:00 p. m. Get-Together Dinner at the Medinah Club, 505 North Michigan Avenue. Attendance required.

### Thursday—October 26

- 7:15 a. m. Assemble in lobby of Hotel Chicagoan.
- 7:30 a. m. Leave by special bus for Gary, Indiana.
- 9:00 a. m. Visit the Gary Plant of the American Bridge Company.
- 11:15 a. m. Leave American Bridge Company by bus for Gary. Lunch at Gary Y.M.C.A.
- 12:15 p. m. Leave Gary Y.M.C.A. by bus for Universal Atlas Cement Mill at Buffington, Indiana.
- 1:00 p. m. Visit the Universal Atlas Cement Mill.
- 2:30 p. m. Leave the Cement Mill for new viaduct over Rock Island R.R. at 127th Street and Blue Island.
- 3:30 p. m. Visit Viaduct.
- 4:30 p. m. Return to Hotel Chicagoan.

### Friday—October 27

- 6:00 a. m. Leave Chicago, via Chicago, North Shore and Milwaukee Railroad, 223 South Wabash Avenue, for Milwaukee.
- 8:00 a. m. Leave North Shore Terminal via special street cars for Allis-Chalmers Company.
- 8:30 a. m. Visit plant of Allis-Chalmers Company.
- 12:30 p. m. Lunch at Allis-Chalmers Club House at invitation of Allis-Chalmers Company.

- 1:30 p. m. Visit Kearney Trecker Company,  
West Allis.
- 4:30 p. m. Return to Chicago, North Shore and  
Milwaukee Station.
- 5:30 p. m. Leave Milwaukee for Chicago.
- 7:30 p. m. Arrive in Chicago and proceed to  
Hotel Chicagoan.

### **Saturday—October 28**

- 8:15 a. m. Assemble in lobby of Hotel Chi-  
cagoan.
- 8:30 a. m. Leave by special bus for Crawford  
Generating Station of the Com-  
monwealth Edison Company.
- 9:00 a. m. Visit Crawford Generating Station.
- 11:00 a. m. Leave Station for Hotel Chicagoan.
- 11:30 a. m. Disband.

## MECHANICAL ENGINEERING

### Tuesday—October 24

- 6:05 p. m. Leave Champaign on Illinois Central train for Chicago.  
9:30 p. m. Arrive at Chicago and proceed to Hotel Chicagoan, 67 West Madison Street.

### Wednesday—October 25

- 7:50 a. m. Assemble in lobby at Hotel Chicagoan.  
8:00 a. m. Leave Hotel Chicagoan via busses for the Wisconsin Steel Works.  
8:30 a. m. Visit Wisconsin Steel Works.  
1:30 p. m. Visit Electro-Motive Corporation, LaGrange.  
5:00 p. m. Return to Hotel Chicagoan.  
6:00 p. m. Get-Together Dinner at the Medinah Club, 505 North Michigan Avenue.

### Thursday—October 26

- 7:50 a. m. Assemble in lobby of Hotel Chicagoan.  
8:00 a. m. Leave Hotel Chicagoan for Western Electric Company.  
8:30 a. m. Visit Western Electric Company.  
1:30 p. m. Visit State Line Generating Station.  
5:00 p. m. Return to Hotel Chicagoan.

### Friday—October 27

- 6:00 a. m. Leave Chicago via Chicago, North Shore & Milwaukee Railroad, 233 South Wabash Avenue, Chicago, for Milwaukee.

- 8:00 a. m. Arrive at Milwaukee and board street cars for Allis-Chalmers Company.  
8:30 a. m. Visit Allis-Chalmers Company.  
12:30 p. m. Lunch at the Allis-Chalmers Club House.  
1:30 p. m. Visit Kearney Trecker Plant, West Allis.  
4:30 p. m. Return to North Shore Station.  
5:15 p. m. Leave for Chicago.  
7:15 p. m. Arrive at Chicago.

### **Saturday—October 28**

- 8:10 a. m. Assemble in lobby of Hotel Chicagoan.  
8:15 a. m. Walk to Illinois Central Station on Randolph and Michigan Avenues.  
8:42 a. m. Leave for the 57th Street Station.  
8:54 a. m. Arrive at 57th Street Station and walk to Museum of Science and Industry.  
9:00 a. m. Visit Museum of Science and Industry in Jackson Park.  
11:45 a. m. Leave and disband.



# DEPARTMENT OF MINING AND METALLURGICAL ENGINEERING

## Metallurgical Engineering

### Tuesday—October 24

- 6:00 p. m. Entrain Illinois Centrail Railroad for Chicago.
- 9:30 p. m. Arrive at Chicago and proceed to the Hotel Chicagoan, 67 West Madison Street.

### Wednesday—October 25

- 7:30 a. m. Leave Hotel Chicagoan and proceed via bus to International Harvester, Tractor Works, 2600 West 31st Boulevard.
- 8:15 a. m. Visit International Harvester Company.
- 12:00 noon Leave International Harvester Company and proceed via bus to Link Belt Company, 300 West Pershing Road.
- 12:30 p. m. Lunch.
- 1:15 p. m. Visit Link Belt Company.
- 4:15 p. m. Leave Link Belt Company and proceed via bus to the Hotel Chicagoan.
- 6:00 p. m. Get-Together Dinner at Medinah Club, 505 North Michigan Avenue.

### Thursday—October 26

- 8:00 a. m. Entrain Chicago South Shore and South Bend Railroad at Randolph Street and Michigan Avenue and proceed to Gary, Indiana.

- 8:50 a. m. Arrive at Gary, Indiana, and proceed on foot to the gate at Gary Mill of Carnegie-Illinois Steel Company.
- 9:00 a. m. Visit Gary Mill.
- 12:00 noon Leave Gary Mill and proceed on foot to downtown Gary.
- 12:45 p. m. Proceed via local bus service to Sheet and Tin Mill of Carnegie-Illinois Steel Company.
- 1:15 p. m. Visit Sheet and Tin Mill.
- 3:30 p. m. Leave Sheet and Tin Mill and proceed via local bus service to Chicago South Shore and South Bend Railroad Depot.
- 4:17 p. m. Entrain for Randolph Street Station in Chicago and proceed to Hotel Chicagoan.

### **Friday—October 27**

- 7:30 a. m. Leave Hotel Chicagoan and proceed via bus to International Smelting and Refining Company, 420 East 151st Street, East Chicago, Indiana.
- 8:15 a. m. Visit International Smelting and Refining Company.
- 10:00 a. m. Leave International Smelting and Refining Company and proceed via bus to American Smelting and Refining Company, Federated Metals Division, 123rd and Indianapolis Boulevard, Whiting, Indiana.
- 10:15 a. m. Visit American Smelting and Refining Company.
- 12:00 noon Leave American Smelting and Refining Company and proceed via bus to Lindbergh Heat Treating Company, 218 North Laflin Street.

- 12:30 p. m. Lunch.
- 1:15 p. m. Visit Lindbergh Heat Treating Company.
- 3:15 p. m. Leave Lindbergh Heat Treating Company and proceed via bus to American Metal Congress, International Amphitheater.
- 10:00 p. m. Leave International Amphitheater and proceed via Rapid Transit Lines to Hotel Chicagoan.

### **Saturday—October 28**

- 7:05 a. m. Entrain Chicago North Shore & Milwaukee Railroad, Adams and Wabash Elevated Station, and proceed to American Steel and Wire Company, Waukegan, Illinois.
- 8:05 a. m. Arrive in Waukegan and visit American Steel and Wire.
- 11:45 a. m. Disband.

# DEPARTMENT OF MINING AND METALLURGICAL ENGINEERING

## Mining Engineering

### Tuesday—October 24

- 5:00 p. m. Assemble at Transportation Building.  
Leave by automobile for Bonne  
Terre, Missouri.
- 11:00 p. m. Arrive at Hammond Hotel, Bonne  
Terre, Missouri.

### Wednesday—October 25

- 7:30 a. m. Leave hotel to visit mine of St.  
Joseph Lead Company.
- 12:00 noon Lunch in Bonne Terre, Missouri.
- 1:00 p. m. Leave Bonne Terre to visit concen-  
trator of St. Joseph Lead Company.
- 4:00 p. m. Return to hotel.
- 5:00 p. m. Leave hotel to drive to Herrin, Illi-  
nois.
- 10:00 p. m. Arrive at Ly-Mar Hotel, Herrin,  
Illinois.

### Thursday—October 26

- 7:00 a. m. Leave hotel to visit mine of Franklin  
County Coal Corporation.
- 12:00 noon Lunch at Zeigler, Illinois.
- 12:30 p. m. Leave Zeigler to visit Mine No. 11  
of Old Ben Coal Corporation.
- 3:00 p. m. Leave mine to visit coal preparation  
plant of Franklin County Coal  
Corporation.
- 5:00 p. m. Leave preparation plant to return to  
hotel.

### Friday—October 27

- 7:00 a. m. Leave hotel to visit mine of Sahara Coal Company at Harrisburg, Illinois.
- 8:00 a. m. Arrive at mine.
- 12:00 noon Lunch in Harrisburg, Illinois.
- 1:00 p. m. Leave Harrisburg to visit coal preparation plant of Sahara Coal Company.
- 5:00 p. m. Leave preparation plant to return to Harrisburg.
- Lodging at Horning Hotel, Harrisburg, Illinois.

### Saturday—October 28

- 7:00 a. m. Leave hotel to drive to Rosiclare, Illinois.
- 8:00 a. m. Arrive at Rosiclare, Illinois. Visit Daisy Mine of Rosiclare Lead and Fluorspar Company.
- 10:30 a. m. Leave Daisy Mine to visit mine of Hillside Fluorspar Company.
- 12:00 noon Lunch at Rosiclare, Illinois.
- 1:00 p. m. Visit concentrator of Hillside Fluorspar Company.
- 3:30 p. m. Leave mill of Hillside Fluorspar Company to visit flotation plant of Mahoning Mining Company.
- 5:00 p. m. Leave Rosiclare, Illinois to return to Urbana.
- 10:00 p. m. Arrive at Urbana. Disband.

# RAILWAY ENGINEERING

## Railway Civil Engineering

### Tuesday—October 24

6:05 p. m. Leave Champaign. On arrival at Chicago, go to Hotel Chicagoan and claim room reservations.

### Wednesday—October 25

Follow itinerary of General Engineers.

6:00 p. m. Get-Together Dinner at Medinah Club, 505 N. Michigan Avenue.

### Thursday—October 26

Follow itinerary of General Engineers.

### Friday—October 27

8:20 a. m. Leave North Western Station for Maywood to inspect Proviso Yards of Chicago & North Western Railroad. Luncheon at restaurant in yards, returning to Chicago at 3:22 or 4:30 p. m.

### Saturday—October 28

8:30 a. m. Assemble at Information Desk, Union Station, for inspection of station facilities and Harrison Street Interlocking plant. Disband at completion of this inspection.

# RAILWAY ENGINEERING

## Railway Electrical Engineering

### Tuesday—October 24

6:05 p. m. Leave Champaign. On arrival at Chicago, go to Hotel Chicagoan and claim room reservations.

### Wednesday—October 25

8:25 a. m. Leave Union Station on Chicago Burlington & Quincy suburban train for La Grange. Take taxis to plant of Electro-Motive Corporation. Luncheon in La Grange after inspection. Suburban trains leave for Chicago at 2:04 and 2:59 p. m.

6:00 p. m. Get-Together Dinner at Medinah Club, 505 North Michigan Avenue.

### Thursday—October 26

Follow itinerary of Electrical Engineers (to Milwaukee).

### Friday—October 27

8:30 a. m. Take Madison Street car to Crawford Avenue; north one block to 39th and West End Avenue to inspect shops of Chicago Surface Lines. Luncheon at restaurant, Madison and Crawford Avenues.

2:45 p. m. Take Crawford Avenue car to end of line, meeting Electrical Engineers at Crawford Avenue generating station for inspection at 3:30 p. m.

Return to hotel by bus or surface line cars.

### **Saturday—October 28**

8:35 a. m. Take Illinois Central Suburban train from Randolph Street station to 95th Street (Burnside) for inspection of Illinois Central shops. Disband after completing inspection.



# DEPARTMENT OF AGRICULTURAL ENGINEERING

## Faculty

Professor C. H. Springer

## Seniors

Bishop, Reid  
Dueringer, E. G.  
Gallagher, E. G.

Larson, A. W.  
Ovelmen, J. L.

# DEPARTMENT OF CERAMIC ENGINEERING

## Faculty

Professor R. K. Hursh  
Professor A. I. Andrews

## Seniors

Bartow, W. T.	McCreight, D. O.
Barzdukas, A. C.	Morris, J. L.
Boeker, J. R.	Mullis, M. M.
Breeze, L. K.	Nutt, A. W.
Briscoe, J.	Oesterle, R. A.
Cichowski, V. J.	Ottoson, A. C.
Collier, H. W.	Rawlinson, J. R.
Cosby, A. B.	Rhodes, G. C.
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Eyerly, G. B.	Snider, H. C.
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Karrer, A. S.	Thorson, M. S.
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